



Postdoctoral Research Associate on NEUTRINO Physics

The Institute of Particle Physics (IFIC) of the University of Valencia and CSIC has an opening for a Postdoctoral Research Associate on NEUTRINO physics.

The group is currently involved in the T2K, SciBooNE, HARP and NEXT experiments, and is very active in the R&D of future neutrino oscillation facilities (beta-beam and neutrino factory) in the context of the IDS-NF and EURONU collaborations.

The selected candidate will work in the detector R&D for a future neutrino oscillation facility in the context of EURONU (<http://www.euronu.org>), an approved EU-FP7 design study to explore the optimal future neutrino oscillation facility for the quest to measure CP violation in the lepton sector. In particular, they will be in charge of the full simulation, reconstruction and data analysis of a magnetised iron calorimeter (MIND), which is the baseline option for a neutrino factory. MIND would be a MINOS-like detector a factor of 20 greater in mass and with improved performance. The appointment would also include comparison to the existing MINOS detector in terms of basic variables and final performance. The last part of the study will consist in the detector optimisation.

Candidates should have completed (or be about to complete) a Ph.D. in experimental particle physics. Applications should include a statement of research interests, a detailed CV and three letters of reference to be sent by email to Anselmo Cervera Villanueva (acervera@ific.uv.es).

The application period will be closed when the position is filled.

Further information can be obtained from Dr. A. Cervera either by phone or by e-mail.

Anselmo Cervera Villanueva
IFIC
Edificio Institutos de Investigación
Apartado de Correos 22085
E-46071 Valencia-Spain

Phone: +34 96 3544458
Fax: +34 96 3543488
Email: acervera@ific.uv.es
Web: <http://ific.uv.es>